



Eastern Research Group  
601 Keystone Park Drive  
Suite 700  
Morrisville, NC 27560

May 19, 2017

Mr. Dave Shelow & Ms Fran Verhalen  
U.S. Environmental Protection Agency - OAQPS  
109 T.W. Alexander Drive, Mail Code: C304-06  
RTP, NC 27709  
Project Name: Chloroprene

Dear Mr. Dave Shelow & Ms Fran Verhalen,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 05/09/17 10:41 through 05/12/17 10:28.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift  
Program Manager  
[julie.swift@erg.com](mailto:julie.swift@erg.com)

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## CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

**ATTN:** Mr. Dave Shelow & Ms Fran Verhalen

**PHONE:** (919) 541-3776 **FAX:** -

**FILE #:** 0344.00

**REPORTED:** 05/19/17 08:35

**SUBMITTED:** 05/09/17 to 05/12/17

**AQS SITE CODE:**

**SITE CODE:** Chloroprene

### ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
Fifth Ward Elementary School	7050919-02	Air	05/08/17 13:37	05/09/17 10:41
Fifth Ward Elementary School	7050919-03	Air	05/08/17 13:37	05/09/17 10:41
238 Chad Baker	7050919-05	Air	05/08/17 13:41	05/09/17 10:41
Levee	7050919-08	Air	05/08/17 13:32	05/09/17 10:41
Ochsner Hospital	7050919-10	Air	05/08/17 13:32	05/09/17 10:41
East St. John the Baptist High School	7050919-12	Air	05/08/17 13:17	05/09/17 10:41
Acorn and Hwy 44	7050919-14	Air	05/08/17 13:28	05/09/17 10:41
East St. John the Baptist High School	7051202-01	Air	05/11/17 12:35	05/12/17 10:28
East St. John the Baptist High School	7051202-02	Air	05/11/17 12:35	05/12/17 10:28
Levee	7051202-03	Air	05/11/17 12:53	05/12/17 10:28
Ochsner Hospital	7051202-04	Air	05/11/17 12:39	05/12/17 10:28
Acorn and Hwy 44	7051202-05	Air	05/11/17 12:49	05/12/17 10:28
Fifth Ward Elementary School	7051202-06	Air	05/11/17 12:57	05/12/17 10:28
238 Chad Baker	7051202-07	Air	05/11/17 13:01	05/12/17 10:28



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FILE #: 0344.00

REPORTED: 05/19/17 08:35

SUBMITTED: 05/09/17 to 05/12/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7050919-02

Sampled: 05/08/17 13:37

Pressure @ Receipt: 7.00" Hg

Canister #: SAT162

Received: 05/09/17 10:41

Comments: Col 1 PR-24 Start 13:36 5/7/17

Analyzed: 05/12/17 18:14

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.089	0.32		0.020



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REPORTED: 05/19/17 08:35

SUBMITTED: 05/09/17 to 05/12/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7050919-03

Sampled: 05/08/17 13:37

Pressure @ Receipt: 7.00" Hg

Canister #: 19656

Received: 05/09/17 10:41

Comments: Col 2 PR-10 Start 13:36 5/7/17

Analyzed: 05/12/17 19:16

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.078	0.28		0.020



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FILE #: 0344.00

REPORTED: 05/19/17 08:35

SUBMITTED: 05/09/17 to 05/12/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 7050919-05

Sampled: 05/08/17 13:41

Pressure @ Receipt: 8.00" Hg

Canister #: SAT089

Received: 05/09/17 10:41

Comments: PR-4 Start 13:40 5/7/17

Analyzed: 05/12/17 22:21

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.140	0.51		0.020



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REPORTED: 05/19/17 08:35

SUBMITTED: 05/09/17 to 05/12/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 7050919-08

Sampled: 05/08/17 13:32

Pressure @ Receipt: 8.50" Hg

Canister #: 5143

Received: 05/09/17 10:41

Comments: PR-23 Start 13:31 5/7/17

Analyzed: 05/12/17 23:23

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	2.67	9.69		0.020



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REPORTED: 05/19/17 08:35

SUBMITTED: 05/09/17 to 05/12/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 7050919-10

Sampled: 05/08/17 13:32

Pressure @ Receipt: 8.50" Hg

Canister #: 19655

Received: 05/09/17 10:41

Comments: PR-18 Start 13:31 5/7/17

Analyzed: 05/13/17 00:25

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	4.10	14.90		0.020



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FILE #: 0344.00

REPORTED: 05/19/17 08:35

SUBMITTED: 05/09/17 to 05/12/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7050919-12

Sampled: 05/08/17 13:17

Pressure @ Receipt: 8.50" Hg

Canister #: SAT042

Received: 05/09/17 10:41

Comments: PR-5 Start 13:16 5/7/17

Analyzed: 05/13/17 01:27

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.082	0.30		0.020





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FILE #: 0344.00

REPORTED: 05/19/17 08:35

SUBMITTED: 05/09/17 to 05/12/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 7050919-14

Sampled: 05/08/17 13:28

Pressure @ Receipt: 8.00" Hg

Canister #: 5000

Received: 05/09/17 10:41

Comments: PR-8 Start 13:27 5/7/17

Analyzed: 05/13/17 02:29

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	3.02	11.00		0.020



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FILE #: 0344.00

REPORTED: 05/19/17 08:35

SUBMITTED: 05/09/17 to 05/12/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7051202-01

Sampled: 05/11/17 12:35

Pressure @ Receipt: 5.50" Hg

Canister #: 18817

Received: 05/12/17 10:28

Comments: Col 1 PR-24 Start 12:34 5/10/17

Analyzed: 05/13/17 03:30

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.619	2.25		0.020



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FILE #: 0344.00

REPORTED: 05/19/17 08:35

SUBMITTED: 05/09/17 to 05/12/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7051202-02

Sampled: 05/11/17 12:35

Pressure @ Receipt: 8.00" Hg

Canister #: 5104

Received: 05/12/17 10:28

Comments: Col 2 PR-15 Start 12:34 5/10/17

Analyzed: 05/13/17 04:32

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.700	2.54		0.020



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FILE #: 0344.00

REPORTED: 05/19/17 08:35

SUBMITTED: 05/09/17 to 05/12/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 7051202-03

Sampled: 05/11/17 12:53

Pressure @ Receipt: 7.50" Hg

Canister #: SAT080

Received: 05/12/17 10:28

Comments: PR-23 Start 12:52 5/10/17

Analyzed: 05/13/17 07:38

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.006	0.02	U	0.020



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FILE #: 0344.00

REPORTED: 05/19/17 08:35

SUBMITTED: 05/09/17 to 05/12/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 7051202-04

Sampled: 05/11/17 12:39

Pressure @ Receipt: 9.50" Hg

Canister #: 5052

Received: 05/12/17 10:28

Comments: PR-18 Start 12:38 5/10/17

Analyzed: 05/13/17 08:40

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.068	0.25		0.020



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FILE #: 0344.00

REPORTED: 05/19/17 08:35

SUBMITTED: 05/09/17 to 05/12/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 7051202-05

Sampled: 05/11/17 12:49

Pressure @ Receipt: 7.50" Hg

Canister #: 3235

Received: 05/12/17 10:28

Comments: PR-8 Start 12:48 5/10/17

Analyzed: 05/13/17 09:41

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.070	0.25		0.020



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FILE #: 0344.00

REPORTED: 05/19/17 08:35

SUBMITTED: 05/09/17 to 05/12/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7051202-06

Sampled: 05/11/17 12:57

Pressure @ Receipt: 8.50" Hg

Canister #: 5019

Received: 05/12/17 10:28

Comments: PR-10 Start 12:56 5/10/17

Analyzed: 05/13/17 10:43

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.020



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REPORTED: 05/19/17 08:35

SUBMITTED: 05/09/17 to 05/12/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 7051202-07

Sampled: 05/11/17 13:01

Pressure @ Receipt: 8.50" Hg

Canister #: SAT118

Received: 05/12/17 10:28

Comments: PR-4 Start 13:00 5/10/17

Analyzed: 05/13/17 11:45

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.201	0.73		0.020





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FILE #: 0344.00

REPORTED: 05/19/17 08:35

SUBMITTED: 05/09/17 to 05/12/17

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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### Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B7E1203 - Summa Canister Prep

#### Blank (B7E1203-BLK1)

Prepared: 05/02/17 Analyzed: 05/12/17

Chloroprene	ND	ppbv				U
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#### Duplicate (B7E1203-DUP1)

Source: 7050919-02 Prepared: 05/08/17 Analyzed: 05/12/17

Chloroprene	0.092	ppbv	0.09	2.87	25	
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#### Duplicate (B7E1203-DUP2)

Source: 7050919-03 Prepared: 05/08/17 Analyzed: 05/12/17

Chloroprene	0.077	ppbv	0.08	1.67	25	
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#### Duplicate (B7E1203-DUP3)

Source: 7051202-01 Prepared: 05/11/17 Analyzed: 05/13/17

Chloroprene	0.603	ppbv	0.62	2.55	25	
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#### Duplicate (B7E1203-DUP4)

Source: 7051202-02 Prepared: 05/11/17 Analyzed: 05/13/17

Chloroprene	0.704	ppbv	0.70	0.513	25	
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**AQS SITE CODE:**

**SITE CODE:** Chloroprene

Analyte	Result	Units	% Difference	Limit (%)	Notes
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### Air Toxics by EPA Compendium Method TO-15 - Quality Control

*Sequence 1705035*

#### Calibration Check (1705035-CCV1)

Prepared & Analyzed: 05/12/17

Chloroprene	2.37	ppbv	-5.2	30.00
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**AQS SITE CODE:**

**SITE CODE:** Chloroprene

### Notes and Definitions

U	Under Detection Limit
ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, hexachloro-1,3-butadiene, octane, propylene, tert amyl methyl ether, tetrachloroethylene, tran-1,2-dichloroethylene, trichlorofluoromethane, and trichlorotrifluoroethane.